

FORMAL

RECEIVED
CENTRAL FAX CENTER

APR 12 2005

IN RE APPLICATION NUMBER: 10/734,339TRANSMITTAL COVER LETTER FOR FACSIMILE TRANSMISSION

PLEASE DELIVER THE FOLLOWING PAGES TO:

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Attention: Examiner An T. Luu
TC Art Unit 2816

FACSIMILE NUMBER: (703) 872-9306

THE SENDER IS: Michael J. Chasan
Registration Number 54,026
FISH & NEAVE IP GROUP
ROPES & GRAY LLP
1251 Avenue of the Americas
New York, New York 10020-1105
Tel.: (212) 596-9000
Fax.: (212) 596-9090

CLIENT/MATTER NO. 002322-0039CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being facsimile
transmitted to the U.S. Patent and Trademark Office on the date
shown below.

April 12, 2005
Date


Michael J. Chasan

TOTAL NUMBER OF PAGES, INCLUDING COVER SHEET: 9DATE: 4/12/05FACSIMILE OPERATOR: Andrew Shue

THIS COMMUNICATION IS INTENDED ONLY FOR THE USE OF THE ADDRESSEE AND MAY CONTAIN
INFORMATION THAT IS PRIVILEGED AND CONFIDENTIAL. IF YOU ARE NOT THE INTENDED
RECIPIENT, YOU ARE HEREBY NOTIFIED THAT THE UNAUTHORIZED DISSEMINATION OF THIS
COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN
ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE.

PLEASE ACKNOWLEDGE SAFE RECEIPT OF THIS TRANSMISSION BY SIGNING
AND RETURNING THIS COVER SHEET TO US BY FACSIMILE.

WE ACKNOWLEDGE SAFE RECEIPT OF THIS TRANSMISSION

SIGNED: _____

DATE: _____

IF NOT, PLEASE CALL BACK AS SOON AS POSSIBLE
PHONE (212) 596-9300 (ASK FOR "FAX OPERATOR")

RECEIVED
CENTRAL FAX CENTER

APR 12 2005

PATENTS
MIC-39

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicant : Seong-Hoon Lee
Application No. : 10/734,339 Confirmation No.: 3691
Filed : December 11, 2003
For : DIGITAL FREQUENCY MULTIPLYING DLLs
Group Art Unit : 2816
Examiner : An T. Luu

New York, New York 10020
April 12, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97,
applicant hereby makes the following documents of record in
the above-identified patent applications:

U.S. Patent Documents

<u>Patent No.</u>	<u>Applicant(s)</u>	<u>Issued</u>
4,985,639	Renfrow et al.	01/15/1991
5,663,665	Wang et al.	09/02/1997
6,812,753	Lin	11/02/2004

The aforementioned documents, which are listed on the accompanying Form PTO SB/08A (submitted in duplicate), fall under 37 CFR §1.98(a)(2)(i) for which documents the requirement to provide copies is waived for U.S. national patent applications filed after June 30, 2003, by U.S. Patent and Trademark Office Official Gazette notice 1276 OG 55. Accordingly, no copies of the aforementioned documents are provided.

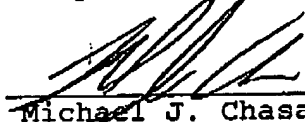
It is respectfully requested that these documents be (1) fully considered by the Patent and Trademark Office during examination of this application; and (2) printed on any patent which may issue on this application. Applicant requests that a copy of Form SB/08A, as considered and initialed by the Examiner, be returned with the next communication.

This Statement is submitted after the mailing date of the first Office Action, but before the mailing date of a Final Office Action, a Notice of Allowance, or an Office Action that otherwise closes prosecution.

Pursuant to 37 C.F.R. §1.97(c)(2), the Director is hereby authorized to charge \$180.00 in payment of the fee set forth in 37 C.F.R. §1.17(p), and any additional fee that may be required in connection with this Information Disclosure Statement, to Deposit Account No. 06-1075. A duplicate copy of this Information Disclosure Statement is submitted herewith.

Consideration of the foregoing in relation to this
patent application is respectfully requested.

Respectfully submitted,



Michael J. Chasan
Registration No. 54,026
Agent for Applicant
FISH & NEAVE
Customer No. 1473
1251 Avenue of the Americas
New York, New York 10020-1105
Tel.: (212) 596-9000
Fax: (212) 596-9090

PATENTS
MIC-39

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicant : Seong-Hoon Lee
Application No. : 10/734,339 Confirmation No.: 3691
Filed : December 11, 2003
For : DIGITAL FREQUENCY MULTIPLYING DLLs
Group Art Unit : 2816
Examiner : An T. Luu

New York, New York 10020
April 12, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97,
applicant hereby makes the following documents of record in
the above-identified patent applications:

U.S. Patent Documents

<u>Patent No.</u>	<u>Applicant(s)</u>	<u>Issued</u>
4,985,639	Renfrow et al.	01/15/1991
5,663,665	Wang et al.	09/02/1997
6,812,753	Lin	11/02/2004

The aforementioned documents, which are listed on the accompanying Form PTO SB/08A (submitted in duplicate), fall under 37 CFR §1.98(a)(2)(i) for which documents the requirement to provide copies is waived for U.S. national patent applications filed after June 30, 2003, by U.S. Patent and Trademark Office Official Gazette notice 1276 OG 55. Accordingly, no copies of the aforementioned documents are provided.

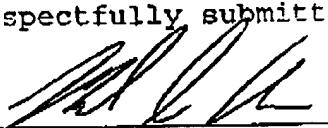
It is respectfully requested that these documents be (1) fully considered by the Patent and Trademark Office during examination of this application; and (2) printed on any patent which may issue on this application. Applicant requests that a copy of Form SB/08A, as considered and initialed by the Examiner, be returned with the next communication.

This Statement is submitted after the mailing date of the first Office Action, but before the mailing date of a Final Office Action, a Notice of Allowance, or an Office Action that otherwise closes prosecution.

Pursuant to 37 C.F.R. §1.97(c)(2), the Director is hereby authorized to charge \$180.00 in payment of the fee set forth in 37 C.F.R. §1.17(p), and any additional fee that may be required in connection with this Information Disclosure Statement, to Deposit Account No. 06-1075. A duplicate copy of this Information Disclosure Statement is submitted herewith.

Consideration of the foregoing in relation to this
patent application is respectfully requested.

Respectfully submitted,



Michael S. Chasan
Registration No. 54,026
Agent for Applicant
FISH & NEAVE
Customer No. 1473
1251 Avenue of the Americas
New York, New York 10020-1105
Tel.: (212) 596-9000
Fax: (212) 596-9090

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Applicant Number	10/734,339
Filing Date	December 11, 2003
First Named Inventor	Seong-Hoon Lee
Art Unit	2816
Examiner Name	An T. Luu
Attorney Docket Number	MIC-39
Confirmation Number	3691

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		4,985,639	01-15-1991	Renfrow et al.	
		5,663,665	09-02-1997	Wang et al.	
		6,812,753	11-02-2004	Lin	

U. S. PATENT APPLICATION PUBLICATION

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passage- or Relevant Figures Appear	T*

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind: Codes of USPTO Patent Documents at www.uspto.gov or MPEP §01.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Applicant Number	10/734,339
Filing Date	December 11, 2003
First Named Inventor	Seong-Hoon Lee
Art Unit	2816
Examiner Name	An T. Luu
Attorney Docket Number	MIC-39
Confirmation Number	3691

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		4,985,639	01-15-1991	Renfrow et al.	
		5,663,665	09-02-1997	Wang et al.	
		6,812,753	11-02-2004	Lin	

U. S. PATENT APPLICATION PUBLICATION

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passage, or Relevant Figures Appear	T ⁶

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.